

SINCE 1908
wessels
 company

SUBMITTAL

TYPE: TTA ASME THERMAL EXPANSION TANKS FOR WATER HEATER SYSTEMS

MODELS: TTA-5 TO TTA-210
 Submittal Sheet No. A-3555-B

Date: 1-05

JOB _____	Wessels Co. Representative _____
Unit Tag No. _____	Order No. _____ Date _____
Engineer _____	Submitted By _____ Date _____
Contractor _____	Approved By _____ Date _____

DESCRIPTION

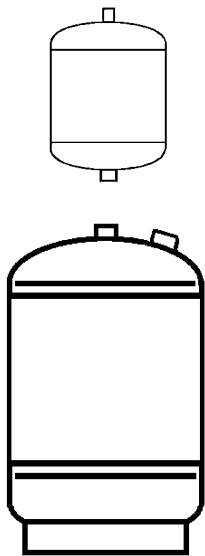
Patterson Type TTA Tanks are ASME fixed diaphragm type pre-charged thermal expansion tanks. They are designed to absorb the expansion forces and control the pressure in domestic water heating systems. The system's expanded water is contained in a heavy-duty bladder preventing tank corrosion and waterlogging problems. TTA expansion tanks reduce tank sizes up to 80%.

CONSTRUCTION

Shell: Carbon Steel
 Diaphragm: Heavy duty butyl – Made from FDA approved & NSF Listed Materials

PERFORMANCE LIMITATIONS

Maximum Design Temperature: 240°F
 Maximum Design Pressure: 150 PSIG



Model	Gal.	Accept.	Dia.	Ht.	Syst. Conn.	Wt. (Lbs.)
TTA-5	3.5	2.1	10	14	3/4	22
TTA-12	5.0	3.1	12	14	3/4	28

TTA-20	8.0	3.1	12	20	3/4	34
TTA-30	15.0	10.0	16	23	1	64
TTA-42	22.0	14.7	16	32	1	88
TTA-60	26.0	15.5	16	34	1	93
TTA-80	35.0	15.5	16	45	1	109
TTA-100	45.0	21.0	20	38	1	148
TTA-125	60.0	21.0	24	49	1 1/2	175
TTA-160	70.0	46.7	24	46	1 1/2	259
TTA-180	80.0	52.5	24	49	1 1/2	268
TTA-210	90.0	52.5	24	52	1 1/2	283

TYPICAL SPECIFICATION

Furnish and install as shown on plans a _____ gallon _____" diameter X _____" (high) pre-charged steel expansion tank with heavy-duty butyl rubber diaphragm. The tank shall have NPT system connections and a .302"-32 charging valve connection (standard tire valve) to facilitate the on-site charging of the tank to meet system requirements. The tank must be constructed in accordance with most recent addition of Section VIII of the ASME Boiler and Pressure Vessel Code.

Each tank shall be Wessels' model number TTA _____ or approved equal.